(19) World Intellectual Property Organization

International Bureau



(43) International Publication Date 6 October 2005 (06.10.2005)

PCT

(10) International Publication Number WO 2005/092390 A2

(51) International Patent Classification⁷: A61K 47/48

(21) International Application Number:

PCT/EP2005/002637

(22) International Filing Date: 11 March 2005 (11.03.2005)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

04005849.7 11 March 2004 (11.03.2004) EP 60/552,174 11 March 2004 (11.03.2004) US PCT/EP2004/008821 6 August 2004 (06.08.2004) EP

P 20040102853 9 August 2004 (09.08.2004) AR

(71) Applicant (for all designated States except US): FRESE-NIUS KABI DEUTSCHLAND GMBH [DE/DE]; Else-Kröner-Strasse 1, 61352 Bad Homburg (DE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): EICHNER, Wolfram [DE/DE]; An der Landwehr 30, 35510 Butzbach (DE). SCHIMMEL, Martin [DE/DE]; Burgweg 1, 61206 Wöllstadt (DE). HACKET, Frank [DE/DE]; Schmiedenstrasse 2, 66709 Rappweiler (DE). KRAUS, Elmar [DE/DE]; Bahnhofstr. 51 A, 61118 Bad Vilbel (DE). ZANDER, Norbert [DE/DE]; Zellbergsheideweg 45, 38527 Meine (DE). FRANK, Ronald [DE/DE]; Heegblick 1, 38527 Meine-Grassel (DE). CONRADT, Harald [DE/DE]; Okerstrasse 11, 38100 Braunschweig (DE). LANGER, Klaus [DE/DE]; Sudetenlandstrasse 20, 91056 Erlangen (DE). ORLANDO, Michele [IT/DE];

Leihgesterner Weg 128, 35392 Giessen (DE). **SOMMER-MEYER, Klaus** [DE/DE]; In der Laubach 26, 61191 Rosbach (DE).

- (74) Agent: WICHMANN, Hendrik; Isenbruck Bösl Hörschler Wichmann Huhn, Patentanwälte, Prinzregentenstrasse 68, 81675 München (DE).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

of inventorship (Rule 4.17(iv)) for US only

Published:

 without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.



(54) Title: CONJUGATES OF HYDROXYALKYL STARCH AND A PROTEIN

(57) Abstract: The present invention relates to conjugates of hydroxyalkyl starch and a protein wherein these conjugates are formed by a convalent linkage between the hydroxyalkyl starch or a derivative of the hydroxyalkyl starch and the protein. The present invention also relates to the method of producing these conjugates and the use of these conjugates.